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1 [From voice-band modems to DSL technologies](#)

September 2001 International Journal of Network Management, Volume 11 Issue 5

Publisher: John Wiley & Sons, Inc.

Full text available: [pdf\(170.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 261, Citation Count: 0


This paper provides an overview of the evolution of digital transmission in the copper access network from voice-band modems to Digital Subscriber Line (DSL) technologies. The various types of DSL technology are described. Copyright © 2001 John ...

2 [Consistent overhead Byte stuffing](#)

Stuart Cheshire, Mary Baker

April IEEE/ ACM Transactions on Networking (TON), Volume 7 Issue 2
1999

Publisher: IEEE Press

Full text available:  [pdf\(263.90 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 34, Citation Count: 0

Keywords: Byte stuffing, framing, packet, serial, transmission

3 [Reliable group rekeying: a performance analysis](#)



Yang Richard Yang, X. Steve Li, X. Brian Zhang, Simon S. Lam

October ACM SIGCOMM Computer Communication Review, Volume 31 Issue 4
2001

Publisher: ACM

Full text available:  [pdf\(245.50 KB\)](#)

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In secure group communications, users of a group share a common group key. A key server sends the group key to authorized new users as well as performs group rekeying for group users whenever the key changes. In this paper, we investigate scalability ...


4 [Reliable group rekeying: a performance analysis](#)



Yang Richard Yang, X. Steve Li, X. Brian Zhang, Simon S. Lam

August SIGCOMM '01: Proceedings of the 2001 conference on Applications,
2001 technologies, architectures, and protocols for computer communications

Publisher: ACM

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In secure group communications, users of a group share a common group key. A key server sends the group key to authorized new users as well as performs group rekeying for group users whenever the key changes. In this paper, we investigate scalability ...

5 [Secure group communications using key graphs](#)

Chung Kei Wong, Mohamed Gouda, Simon S. Lam

February 2000 IEEE/ ACM Transactions on Networking (TON), Volume 8 Issue 1

Publisher: IEEE Press

Full text available:  [pdf\(345.54 KB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 141, Citation Count: 43



Keyw ords: confidentiality, group communications, group key management, key distribution, multicast, privacy, rekeying, security

6 [Securing Mobile Appliances: New Challenges for the System Designer](#)

Anand Raghunathan, Srivaths Ravi, Sunil Hattangady, Jean-Jacques Quisquater

March DATE '03: Proceedings of the conference on Design, Automation and 2003 Test in Europe - Volume 1, Volume 1


Publisher: IEEE Computer Society

Full text available:  [pdf\(257.28 KB\)](#)  [Publisher Site](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 169, Citation Count: 1


As intelligent electronic systems pervade all aspects of our lives, capturing, storing, and communicating a wide range of sensitive and personal data, security is emerging as a critical concern that must be addressed in order to enable several current ...

7 [A quick safari through the reconfiguration jungle](#)

 Patrick Schaumont, Ingrid Verbauwheide, Kurt Keutzer, Majid Sarrafzadeh

June 2001 DAC '01: Proceedings of the 38th conference on Design automation

Publisher: ACM

Full text available:  [pdf\(268.82 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 40, Citation Count: 17

Cost effective systems use specialization to optimize factors such as power consumption, processing throughput, flexibility or combinations thereof. Reconfigurable systems obtain this specialization at run-time. System reconfigurable has a vertical, ...

8 Computing curricula 2001



CORPORATE The Joint Task Force on Computing Curricula

September 2001 Journal on Educational Resources in Computing (JERIC), Volume 1 Issue 3es

Publisher: ACM

Full text available: [pdf\(613.63 KB\)](#) [html\(2.78 KB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 174, Downloads (12 Months): 1732, Citation Count: 22

9 Nark: receiver-based multicast non-repudiation and key management



Bob Briscoe, Ian Fairman

November 1999 EC '99: Proceedings of the 1st ACM conference on Electronic commerce

Publisher: ACM

Full text available: [pdf\(168.86 KB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 39, Citation Count: 2

Keywords: Internet, audit trail, key management, multicast, non-repudiation, smartcard, watermark

10 Digital signatures for flows and multicasts

Chung Kei Wong, Simon S. Lam

August 1999 IEEE/ ACM Transactions on Networking (TON), Volume 7 Issue 4

Publisher: IEEE Press

Full text available: [pdf\(268.97 KB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 81, Citation Count: 6

11 ASHs: Application-specific handlers for high-performance messaging



Deborah A. Wallach, Dawson R. Engler, M. Frans Kaashoek

August 1996 SIGCOMM '96: Conference proceedings on Applications, technologies, architectures, and protocols for computer communications


Publisher: ACM

Full text available: [pdf\(174.50 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 11, Citation Count: 15

Application-specific safe message handlers (ASHs) are designed to provide applications with hardware-level network performance. ASHs are user-written code fragments that safely and efficiently execute in the kernel in response to message arrival. ...

12 [A secure multicast protocol with copyright protection](#)

 Hao-hua Chu, Lintian Qiao, Klara Nahrstedt, Hua Wang, Ritesh Jain
April ACM SIGCOMM Computer Communication Review, Volume 32 Issue 2
2002

Publisher: ACM

Full text available:  [pdf\(301.97 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 129, Citation Count: 2


We present a simple, efficient, and secure multicast protocol with copyright protection in an open and insecure network environment. There is a wide variety of multimedia applications that can benefit from using our secure multicast protocol, e. g., the ...

Keyw ords: copyright protection, key distribution, multicast security, watermark

13 [ASHs: application-specific handlers for high-performance messaging](#)

Deborah A. Wallach, Dawson R. Engler, M. Frans Kaashoek
August 1997 IEEE/ ACM Transactions on Networking (TON), Volume 5 Issue 4


Publisher: IEEE Press

Full text available:  [pdf\(174.62 KB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 10, Citation Count: 2

Keyw ords: computer networks, dynamic code generation, modular computer systems, operating systems, protocols, software protection, user-level networking

14 [ASHs: Application-specific handlers for high-performance messaging](#)

 Deborah A. Wallach, Dawson R. Engler, M. Frans Kaashoek
October ACM SIGCOMM Computer Communication Review, Volume 26 Issue 4
1996

Publisher: ACM

Full text available:  [pdf\(174.50 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 11, Citation Count: 15

Application-specific safe message handlers (ASHs) are designed to provide applications with hardware-level network performance. ASHs are user-written code fragments that safely and efficiently execute in the kernel in response to message arrival. ...


15 [A conference gateway supporting interoperability between SIP and H.323](#)



Jiann-Min Ho, Jia-Cheng Hu, Peter Steenkiste

October 2001 MULTIMEDIA '01: Proceedings of the ninth ACM international conference on Multimedia

Publisher: ACM

Full text available:  [pdf\(805.09 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 145, Citation Count: 1

Increased network bandwidth is making desktop video conferencing an attractive application for an increasing number of computer users. Unfortunately, two competing standards for video conferencing signaling are in use, H.323 and SIP. In this paper we ...

Keyw ords: H.323, SIP, interoperability, video conferencing gateway, video conferencing signaling protocols


16 [A brief history of NTP time: memoirs of an Internet timekeeper](#)



David L. Mills

April 2003 ACM SIGCOMM Computer Communication Review , Volume 33 Issue 2

Publisher: ACM

Full text available:  [pdf\(185.93 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 113, Citation Count: 3

This paper traces the origins and evolution of the Network Time Protocol (NTP) over two decades of continuous operation. The technology has been continuously improved from hundreds of milliseconds in the rowdy Internet of the early 1980s to tens of nanoseconds ...


Keyw ords: algorithmic memoirs, computer network, technical history, time synchronization

17 [Router plugins: a software architecture for next-generation routers](#)

Dan Decasper, Zubin Dittia, Guru Parulkar, Bernhard Plattner

February IEEE/ ACM Transactions on Networking (TON), Volume 8 Issue 1
2000

Publisher: IEEE Press

Full text available:  [pdf\(530.34 KB\)](#)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 86, Citation Count: 7

Keyw ords: communication system routing, communication system security,
internet, modular computer systems


18 [New channels, old concerns: scalable and reliable data dissemination](#)



Colin Allison, Duncan McPherson, Dirk Husemann

September EW 9: Proceedings of the 9th workshop on ACM SIGOPS European
2000 workshop: beyond the PC: new challenges for the operating system

Publisher: ACM

Full text available:  [pdf\(76.39 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)




Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 15, Citation Count: 0

An interesting trend in the continuing convergence of information technologies is the emergence of the Internet as a content provider in its own right, as opposed to its simply being one of many delivery channels. For example, it is increasingly the ...

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